

**STATEMENT
OF
WORK
(SOW)
FOR THE
TRAILER
RIBBON BRIDGE/CONTAINER
HAULER MK18A1**

2320-01-392-0293

MK18A1

CONTROL NR: SOW-02-835-1-09470B-2/1

EFFECTIVE DATE: 1 OCTOBER 01

TABLE OF CONTENTS

Section and Heading	Page
1.0 SCOPE	1
1.1 Background	1
2.0 APPLICABLE DOCUMENTS	1
2.1 Military Standards	1
2.2 Other Government Documents and Publications	1
2.3 Industry Standards	2
3.0 REQUIREMENTS	2
3.1 General Tasks	2
3.2 Detailed Tasks	3
3.2.1 Phase I Pre-Induction	3
3.2.2 Phase II IROAN	3
3.2.3 Phase III Inspection, Testing, and Acceptance	4
3.2.4 Packaging, Handling, Storage and Transportation (PHS&T)	4
3.3 Configuration Control	4
3.4 Government Furnished Equipment (GFE)/ Government Furnished Materiel (GFM)	5
3.5 Contractor Furnished Materiel	5
3.6 Quality Assurance Provisions	5
3.7 Rejection	5
4.0 Reports	6

STATEMENT OF WORK FOR THE
TRAILER, RIBBON BRIDGE/CONTAINER
MK18A1
NSN 2320-01-392-0293
Inspect Repair Only As Necessary (IROAN)

1.0 SCOPE. This Statement of Work (SOW), along with Rebuild Standard (RS) 09470B-50 sets forth and identifies the work efforts that shall be performed by the contractor in the IROAN effort of the MK18A1 Trailer. These documents contain minimum requirements to restore the MK18A1 Trailer to Condition Code "A." Condition Code A is defined as "serviceable/issuable without qualification, new, used, repaired, or reconditioned materiel which is serviceable and issuable to all customers without limitation or restriction. National Stock Number 2320-01-392-0293 shall be known as the MK18A1 Trailer.

1.1 Background. IROAN is defined as "That maintenance technique which determines the minimum repairs necessary to restore equipment components or assemblies to prescribed maintenance serviceability standards by utilizing all available diagnostic equipment and test procedures in order to minimize disassembly and parts replacement.

2.0 APPLICABLE DOCUMENTS. The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issues of these documents are those listed in the issue of Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 Military Standards.

MIL-STD-129

DoD Standard Practice for Military Markings

2.2 Other Government Documents and Publications. The issues of those documents cited below shall be used.

RS 09470B-50

Trailer, Self-Loading, Ribbon Bridge/Container
Hauler 4X4, M K18A1

TM 3080-50

Corrosion Prevention and Control

ATPD 2241

Vehicles, Wheeled: Preparation for Shipment and
Storage of

DOD 4000.25-1-M

MILSTRIP Manual

NAVICPINST 4491.2A

Instruction Requisitioning of Contractor Furnished
Materiel from the Federal Supply System

Military Handbooks (For Guidance)

MIL-HDBK-61

Configuration Management

2.3 Industry Standards

ANSI/ISO/ASQC Q9002-1994

Quality Systems-Model for Quality Assurance in
Production, Installation, and Servicing

Industry Standards (For Guidance)

ANSI/EIA-649

National Consensus Standard for Configuration
Management

Copies of Military Standards and Specifications are available from the DOD Single Stock Point, Document Automation and Production Service, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Telephone (215) 697-2179 or DSN 442-2179, or <http://www.dodssp.daps.mil>. Copies of other government documents and publications required by contractors in connection with specific SOW requirements shall be obtained through the Contracting Officer: Commander, Attn: Contracting Officer (Code 891), Marine Corps Logistics Base, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (229) 639-6761 or DSN 567- 6761. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, Attn: Code 851-3, 814 Radford Blvd., Suite 20320, Albany, Georgia 31704-0320, commercial telephone number (229) 639-6410 or DSN 567-6410.

3.0 REQUIREMENTS

3.1 General Tasks. In fulfilling the specified requirements, the contractor shall:

- a. Provide materials, labor, facilities, repair parts, and missing parts necessary to inspect, diagnose, restore, and test the MK18A1 Trailer. Upon completion of IROAN, repaired vehicles shall be Condition Code "A."
- b. Provide all tools and test equipment required to test, inspect, and calibrate the MK18A1 Trailer.
- c. Conduct final on-site testing for witness by an MCLB, Albany, Georgia, representative (Code 835-1).
- d. Be responsible for all structural, electrical and mechanical requirements associated with the restoration of the MK18A1 Trailer.
- e. Be responsible for all corrosion prevention and control in accordance with the latest TM 3080-50.

3.2 Detailed Tasks. The following tasks describe the different phases for IROAN of the MK18A1 Trailer.

3.2.1 Phase I- Pre-induction. A pre-induction inspection analysis shall be performed for each MK18A1 Trailer using the contractor's diagnosis, inspection and testing techniques to determine extent of work and parts required in accordance with RS 09470B-50. If it is determined that the cost of repair exceeds the standard unit price or acquisition/replacement cost as imposed by current Marine Corps directives or for any other reason, the contractor facility rejects an IROAN candidate, the contractor shall provide the government with a completed copy of a Limited Technical Inspection (LTI) to include a cost estimate and a request for specific instructions to Life Cycle Management Center (LCMC) (Code 835-1) 814 Radford Blvd., Albany, GA. 31704-1128. The intent of this clause is to preclude the arbitrary rejection of "IROAN" candidates by the contractor based solely on cost criteria directed by current Marine Corps directives. LCMC retains the right to make the final decision to restore the end item to a serviceable (condition code A) asset in the most expeditious manner to enhance Marine Corps readiness.

3.2.2 Phase II - IROAN. After pre-induction tests and inspections have been completed, repair of the MK18A1 Trailer shall be accomplished in accordance with this SOW at the contractor's facility. Deficiencies noted in the pre-induction inspection during Phase I shall be repaired/replaced. Components or assemblies shall not be disassembled for replacement of mandatory parts unless that part has failed, or the component assembly wherein the part is located, is disassembled for repair.

a. Data plate. The MK18A1 Trailer shall have an IROAN data plate located by the original manufacturer's data plate. This plate (refer to Figure 1) shall be constructed of metal and is to be attached after the vehicle has completed the IROAN cycle. The data plate shall contain the following information:

VEH. SER. NO. _____ DATE _____

OVERHAULED IN ACCORDANCE WITH INSPECT AND REPAIR ONLY AS
NECESSARY (IROAN) CONTAINED IN SOW-02-835-1-09470B-2/1

CONTRACTOR _____

(Figure 1)

b. Hardware.

(1) Replace broken, unserviceable, and/or missing hardware including nuts, bolts, screws, washers, turnlock fasteners, etc. Unserviceable would include any of the above that failed to function properly.

(2) Ensure proper hardware locking devices are present on all moving mechanical assemblies.

(3) Hardware normally supplied with commercial parts shall be used unless specifically prohibited.

3.2.3 Phase III - Inspection, Testing, and Acceptance.

- a. Inspection, Testing and Acceptance of the MK18A1 Trailer shall be conducted in accordance with the Contractors standard Road Test and Final Inspection.
- b. The contractor shall be responsible for conducting required tests and shall ensure all necessary personnel are available to complete the final acceptance. Acceptance tests shall be held at the contractor's facility. MCLB, Albany, Georgia, representatives (Code 835-1) shall be given a minimum of two weeks notice prior to beginning acceptance testing. The test area shall be cleared of all equipment parts, components, etc., not required for testing.
- c. The contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCLB, Albany, Georgia, (Code 835-1) may require the contractor to repeat tests or portions thereof, if the original tests fail to demonstrate compliance with this SOW.

3.2.4 Packaging, Handling, Storage and Transportation (PHS&T).

- a. The Contractor shall be responsible for preservation and packaging of items being repaired under the terms of this statement of work. Items scheduled for long-term storage or shipment to overseas destinations shall be in accordance with the level A requirements of ATPD 2241. Items scheduled for domestic shipment, immediate use or short-term storage shall be to level B requirements.
- b. Marking shall be in accordance with MIL-STD-129.
- c. The Marine Corps will provide the contractor with the shipping address(es) for delivery of the repaired equipment. The contractor shall be responsible for arranging for shipment to the pre-designated site(s). The Marine Corps shall be responsible for transportation costs associated with shipping the subject equipment to and from the Contractor.

3.3 Configuration Control. The contractor shall apply configuration control procedures to established configuration items. The contractor shall not implement configuration changes to an item's documented performance or design characteristics without receiving prior written authorization. The baseline configuration has been defined by the written procedures or material contained in manuals, standards, instructions or engineering drawings. If it is necessary to depart from the authorized configuration baseline, the contractor shall submit a Request for Deviation. MIL-HDBK-61 (paragraph 4.3 and Table 4-9) and ANSI/EIA-649 (paragraph 5.3.4) provide guidance for preparing this configuration control document.

3.4 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM). GFE is government owned equipment authorized by contract for use by a commercial/Government contractor. It is neither consumed during production nor incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into product being manufactured/remanufactured under a contract/statement of work. In the event the Marine Corps does have GFE/GFM requirements, the Management Control Activity (MCA/Code 827-2), Marine Corps Logistics Bases, Albany, Georgia, will coordinate required GFE and will maintain a central control on Marine Corps assets in the Contractor's possession. The MCA will forward a GFE Accountability agreement to the Contractor Facility for signature to establish a chain of custody and property responsibilities for Marine Corps assets.

3.5 Contractor Furnished Materiel (CFM). The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.2A). In the event Contractor Furnished Materiel (CFM) is required for repair parts, the contractor shall requisition through the DoD Supply System. DoD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DoD Supply System.

3.6 Quality Assurance Provisions. The contractor shall provide and maintain a Quality System that as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9002-94, Quality Systems - Model for Quality Assurance in Production, Installation, and Servicing. Performance of the contractor and the quality of work delivered, materiel provided, and documents written shall be subject to review and inspection by MCLB, (Code 835-1) Albany, Georgia, representatives during work performance at any work location. Authorized MCLB, (Code 835-1) Albany, Georgia, representatives shall be permitted to observe the work/task accomplishment or to conduct inspections during working hours. Inspection by MCLB, (Code 835-1), Albany, Georgia, representatives, of test plans and materials furnished hereunder does not relieve the contractor from any responsibility regarding defects or other failures to meet work requirements which may be disclosed prior to final acceptance. Failure of the contractor to promptly correct deficiencies discovered shall be reason for suspension of acceptance until corrective action has been accomplished. The contractor shall have in place documented procedures and standards for inspection requirements and the contractor's work shall be subject to reviews and inspections for compliance with these procedures and standards by MCLB, (Code 835-1), Albany, Georgia, representatives. Noncompliance with procedures resulting in degraded quality of work may result in a stop-work order requiring action by the contractor to correct the work performed and to enforce compliance with quality assurance procedures or face work termination. Notwithstanding such MCLB, (Code 835-1) Albany, Georgia, representatives inspection, it shall be the contractor's responsibility to ensure that the entire system meets the performance requirements delineated and addressed in this SOW.

3.7 Rejection. Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCLB, (Code 835-1) Albany, Georgia. The contractor shall, at no additional cost to MCLB, (Code 835-1) Albany, Georgia, provide the following:

- a. Develop an approach for modification or correction of all deficiencies.
- b. Upon approval of a documented approach, the contractor shall correct the deficiencies and repeat the verification until an acceptable compliance with acceptance test procedures requirements is demonstrated.

4.0 REPORTS.

4.1 Parts Usage Data Report. The contractor shall provide a Parts Usage Data Report for every twenty vehicles produced or when the MWS Line is completed for quantities less than twenty. This report shall be in the Contractors format and as a minimum, list by nomenclature, National Stock Number (NSN), Part Number, price and quantity of all parts replaced. The report shall be provided to Commander (Code 835-1), Marine Corps Logistics Bases, 814 Radford Blvd, Albany, Georgia, 31704-1128. Appendix A is provided as a sample.

	Light, Warning Green	73	57		6210	010531290	1053628	3	\$23.07	\$69.21
	Light, Warning	75	2		6210	012064754	1053621	2	\$20.74	\$41.48
	Shield, Light	75	1	71/19 73/53	6210	010549460	1215	3	\$3.05	\$9.15
	Buzzer Warning System	75	29		6350	001024210	SO628	1	\$85.77	\$85.77
	Low Air Pressure Alarm	73	77		6350	010524043	443724	1		\$0.00
	Drive Line Lockup Valve	161	55		4820	010505584	285402	1	\$63.92	\$63.92
	Air Brake Valve(Air Control)	169	1		4820	011517984	118569	1	\$162.69	\$162.69
	Air Restrictor Indicator	33	6		2940	01154713	RAX007388	1	\$18.18	\$18.18

(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ OTHER _____ <input checked="checked" type="checkbox"/>
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D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
MK18A1		

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	Request For Deviation	Configuration Management

4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640B	5. CONTRACT REFERENCE SOW 3.3	6. REQUIRING OFFICE MCLBA (851)
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7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION			
8. APP CODE A	A	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE	b. COPIES		
					Draft	Final	
						Reg	Repro

[illegible]

G. PREPARED BY <i>Carl L. Little</i>	H. DATE <i>11-28-00</i>	I. APPROVED BY <i>D. Cooper</i>	J. DATE <i>11-29-00</i>
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